



FIG. 1

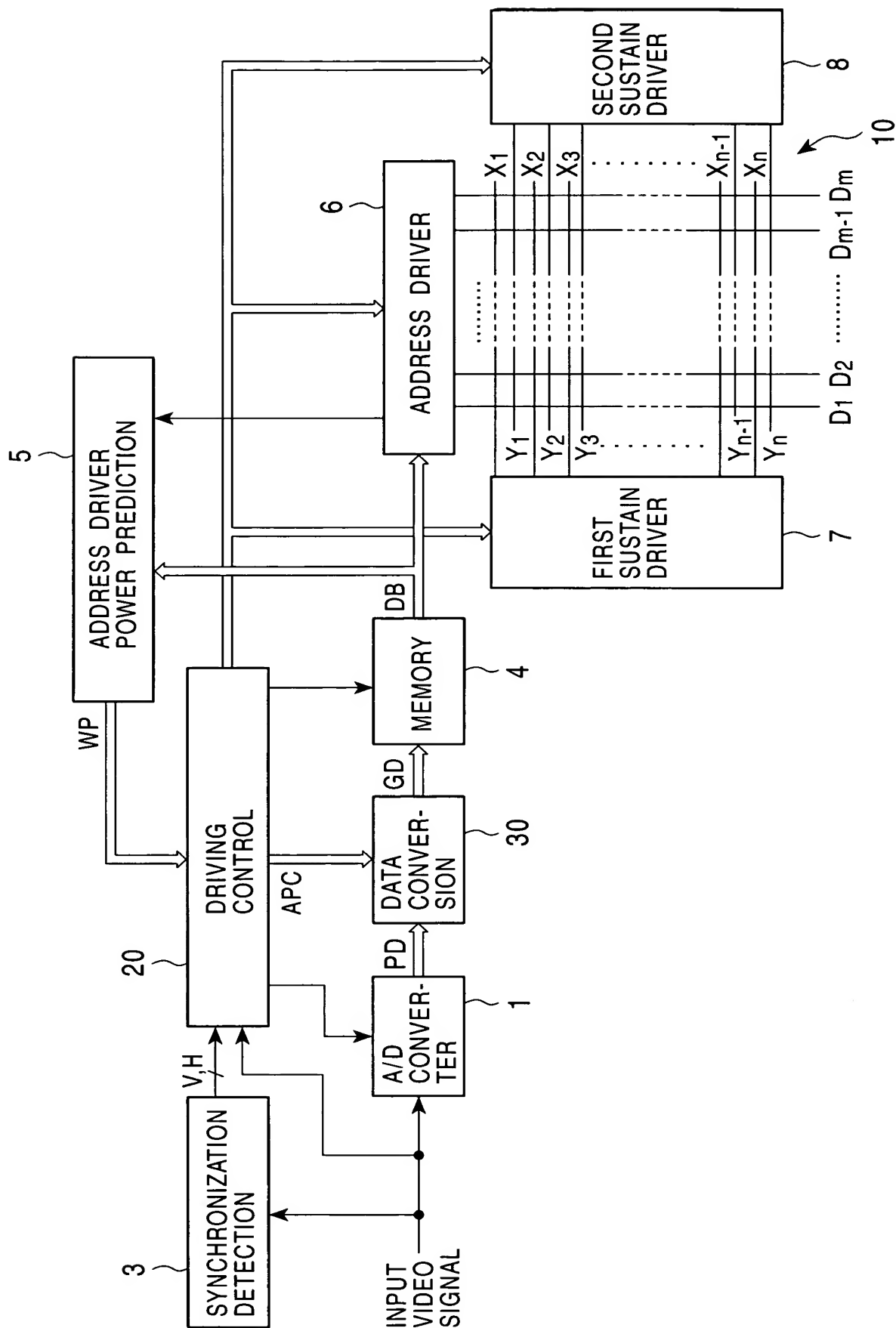


FIG. 2

30

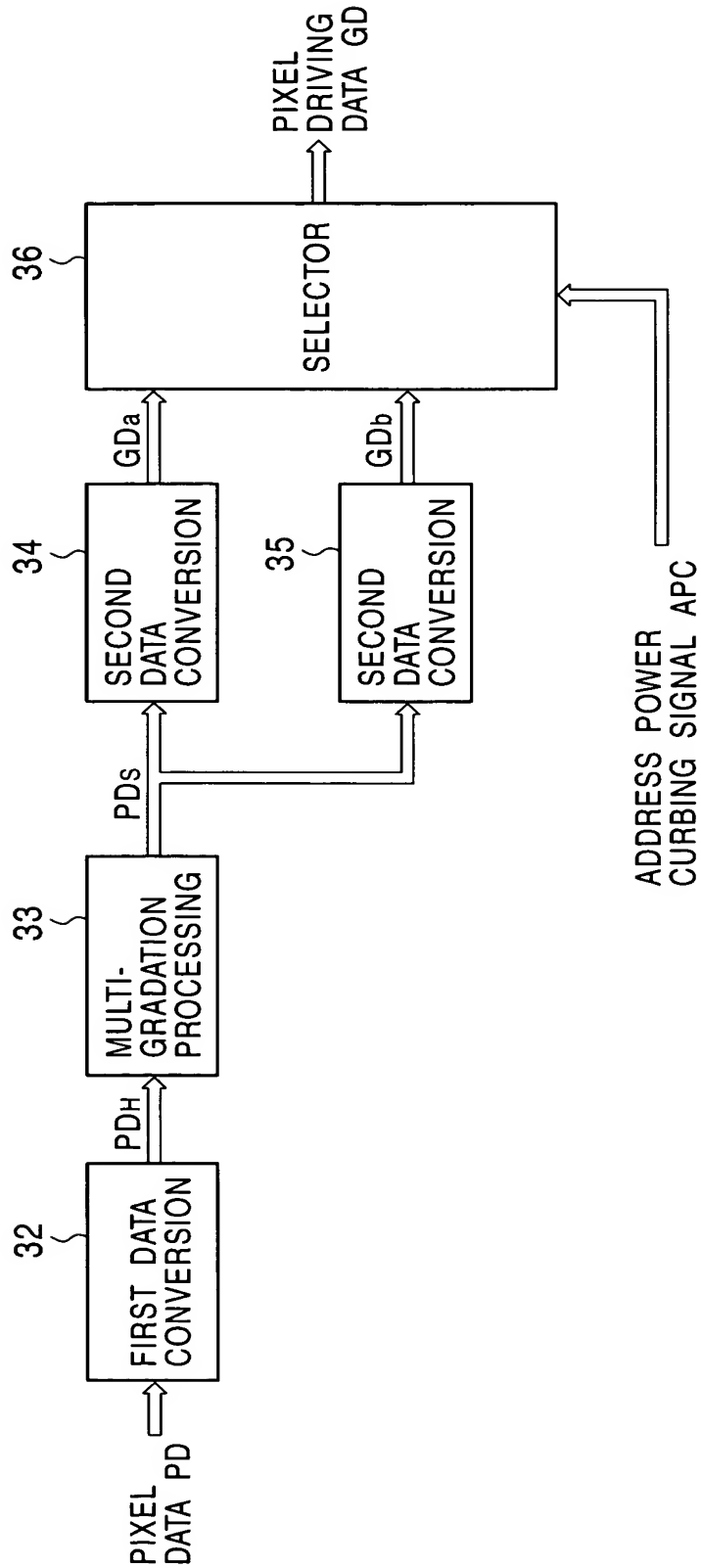




FIG. 3

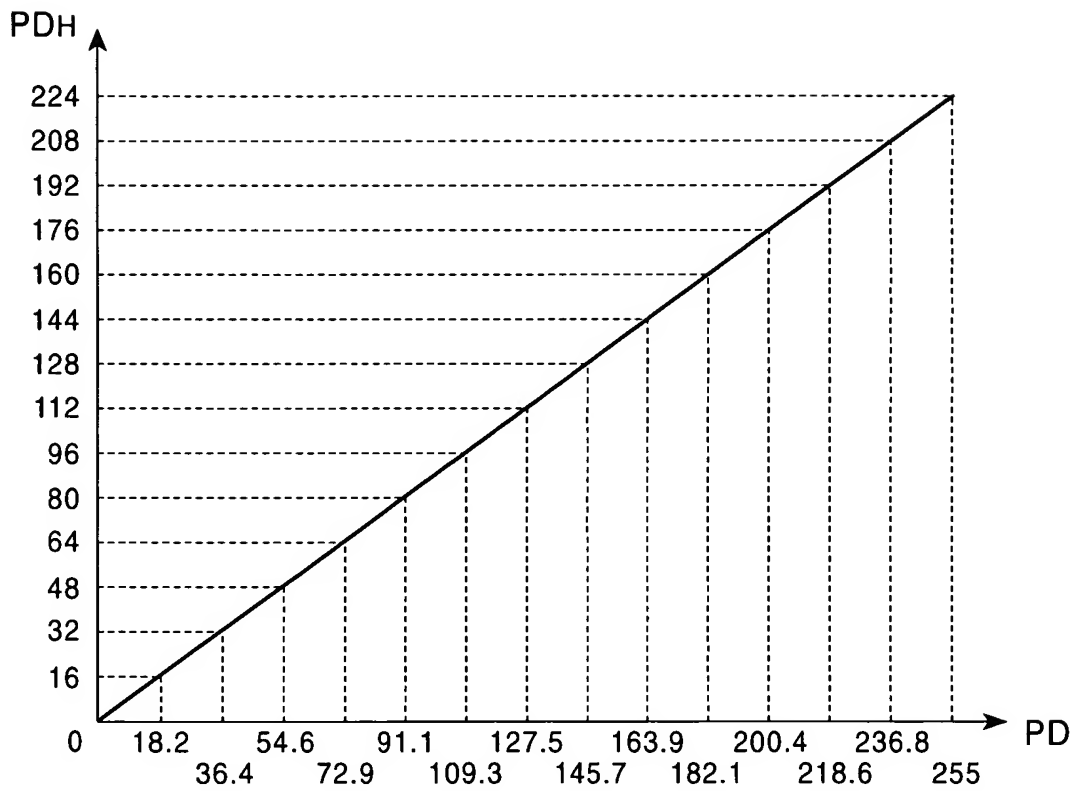


FIG. 4

(SELECTIVE ERASURE)

GRADATION	CONVERSION TABLE OF SECOND DATA CONVERSION CIRCUIT 34														LIGHT-EMISSION DRIVING PATTERN FOR ONE FIELD														EMITTED LUMINANCE
	PDs	GDa														SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	0000	1	1	1	1	1	1	1	1	1	1	1	1	1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	0
2	0001	0	1	1	1	1	1	1	1	1	1	1	1	1	○	●	●	●	●	●	●	●	●	●	●	●	●	●	4
3	0010	0	0	1	1	1	1	1	1	1	1	1	1	1	○	○	●	●	●	●	●	●	●	●	●	●	●	●	16
4	0011	0	0	0	1	1	1	1	1	1	1	1	1	1	○	○	○	●	●	●	●	●	●	●	●	●	●	●	36
5	0100	0	0	0	1	1	1	1	1	1	1	1	1	1	○	○	○	○	●	●	●	●	●	●	●	●	●	●	68
6	0101	0	0	0	0	1	1	1	1	1	1	1	1	1	○	○	○	○	○	●	●	●	●	●	●	●	●	●	108
7	0110	0	0	0	0	0	1	1	1	1	1	1	1	1	○	○	○	○	○	○	●	●	●	●	●	●	●	●	160
8	0111	0	0	0	0	0	0	1	1	1	1	1	1	1	○	○	○	○	○	○	○	●	●	●	●	●	●	●	224
9	1000	0	0	0	0	0	0	0	1	1	1	1	1	1	○	○	○	○	○	○	○	○	●	●	●	●	●	●	300
10	1001	0	0	0	0	0	0	0	0	1	1	1	1	1	○	○	○	○	○	○	○	○	○	●	●	●	●	●	388
11	1010	0	0	0	0	0	0	0	0	0	1	1	1	1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	488
12	1011	0	0	0	0	0	0	0	0	0	0	1	1	1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	600
13	1100	0	0	0	0	0	0	0	0	0	0	0	1	1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	728
14	1101	0	0	0	0	0	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	868
15	1110	0	0	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	1024

BLACK CIRCLES: SELECTIVE ERASING DISCHARGE  
 WHITE CIRCLES: SUSTAINED DISCHARGE EMISSION





FIG. 5

(SELECTIVE ERASURE)

GRADATION	CONVERSION TABLE OF SECOND DATA CONVERSION CIRCUIT 35														LIGHT-EMISSION DRIVING PATTERN FOR ONE FIELD														EMITTED LUMINANCE	
	PDs	GDb														SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	1	2	3	4	5	6	7	8	9	10	11	12	13		14
1	0000	1	0	0	0	0	0	0	0	0	0	0	0	0	●														0	
2	0001	0	1	0	0	0	0	0	0	0	0	0	0	0	○	●													4	
3	0010	0	0	1	0	0	0	0	0	0	0	0	0	0	○	○	●												16	
4	0011	0	0	0	1	0	0	0	0	0	0	0	0	0	○	○	○	●											36	
5	0100	0	0	0	0	1	0	0	0	0	0	0	0	0	○	○	○	○	●										68	
6	0101	0	0	0	0	0	1	0	0	0	0	0	0	0	○	○	○	○	○	●									108	
7	0110	0	0	0	0	0	0	1	0	0	0	0	0	0	○	○	○	○	○	○	●								160	
8	0111	0	0	0	0	0	0	0	1	0	0	0	0	0	○	○	○	○	○	○	○	●							224	
9	1000	0	0	0	0	0	0	0	0	1	0	0	0	0	○	○	○	○	○	○	○	○	●						300	
10	1001	0	0	0	0	0	0	0	0	0	1	0	0	0	○	○	○	○	○	○	○	○	○	○	●				388	
11	1010	0	0	0	0	0	0	0	0	0	0	1	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○		488	
12	1011	0	0	0	0	0	0	0	0	0	0	0	1	0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	600	
13	1100	0	0	0	0	0	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	728	
14	1101	0	0	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	868	
15	1110	0	0	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○	○	1024	

BLACK CIRCLES: SELECTIVE ERASING DISCHARGE  
 WHITE CIRCLES: SUSTAINED DISCHARGE EMISSION



FIG. 6

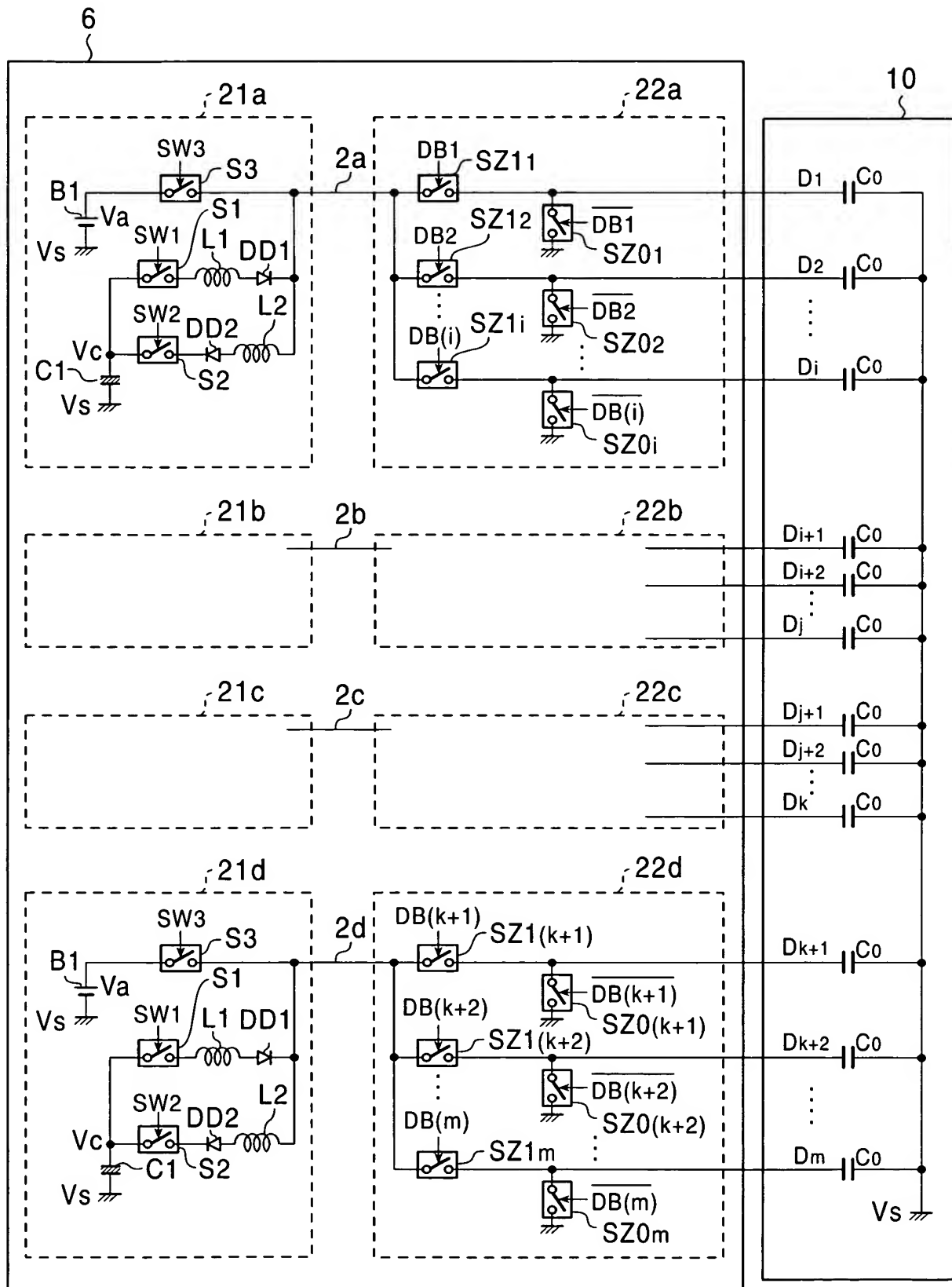


FIG. 7D

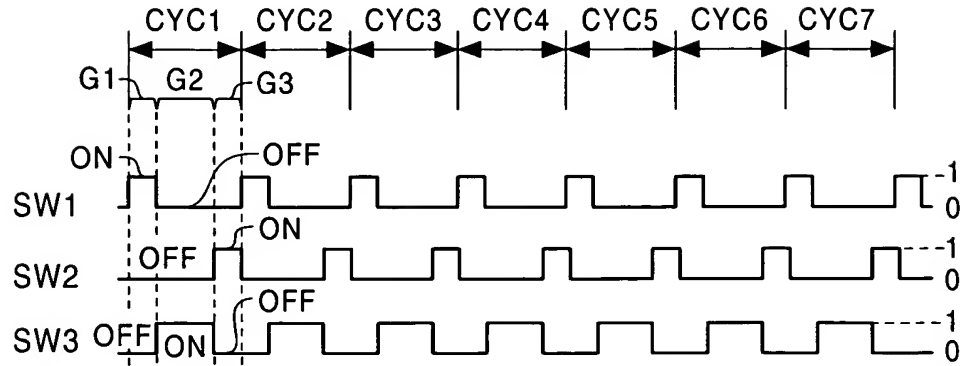


FIG. 7A

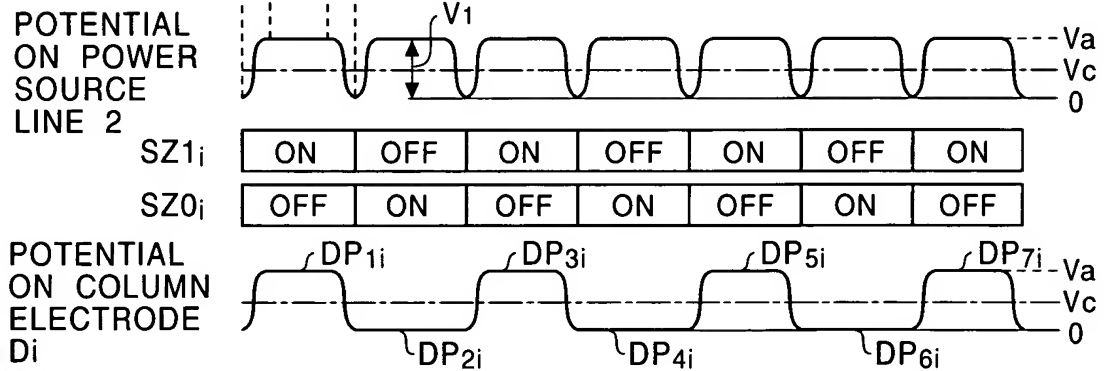


FIG. 7B

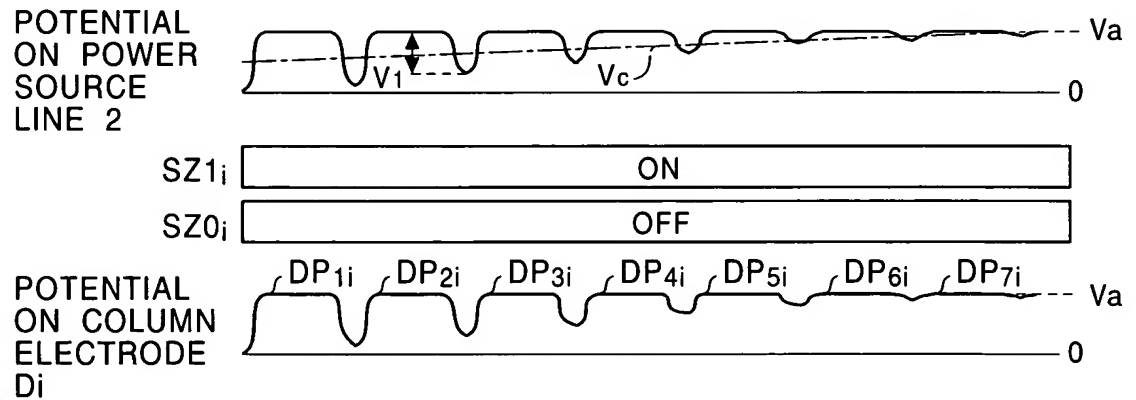


FIG. 7C

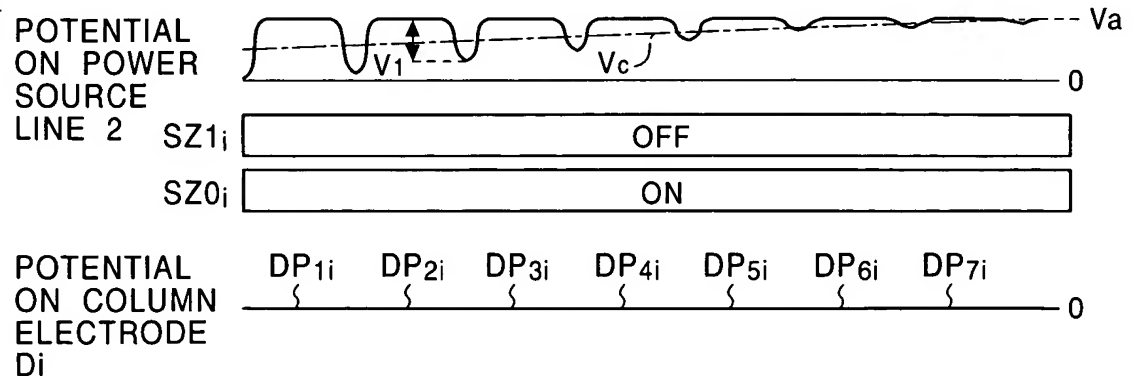
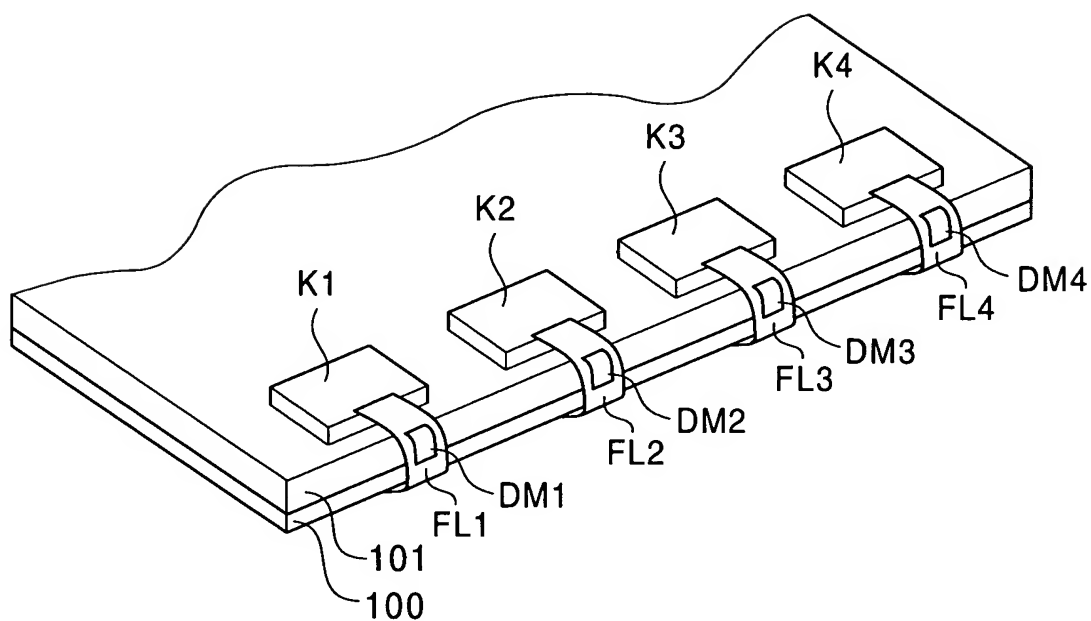




FIG. 8





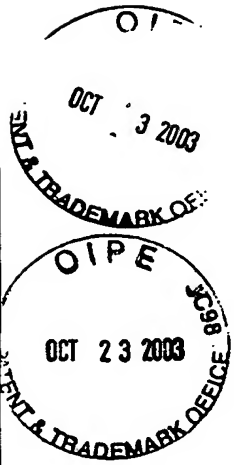


FIG. 9

$$DB_{(N,M)} = \begin{bmatrix} DB_{(1,1)} & DB_{(1,2)} & DB_{(1,3)} & \dots & DB_{(1,m)} \\ DB_{(2,1)} & DB_{(2,2)} & DB_{(2,3)} & \dots & DB_{(2,m)} \\ DB_{(3,1)} & DB_{(3,2)} & DB_{(3,3)} & \dots & DB_{(3,m)} \\ \vdots & \vdots & \vdots & & \vdots \\ \vdots & \vdots & \vdots & & \vdots \\ DB_{(n,1)} & DB_{(n,2)} & DB_{(n,3)} & \dots & DB_{(n,m)} \end{bmatrix}$$

FIG. 10

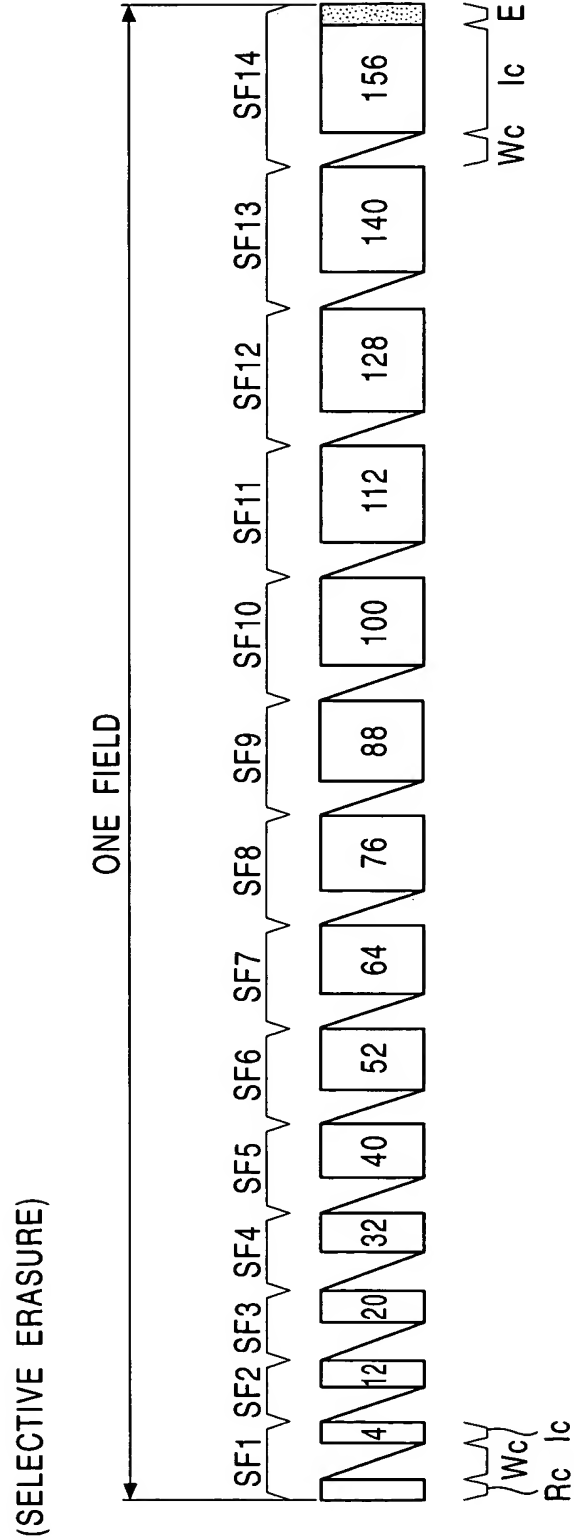


FIG. 11

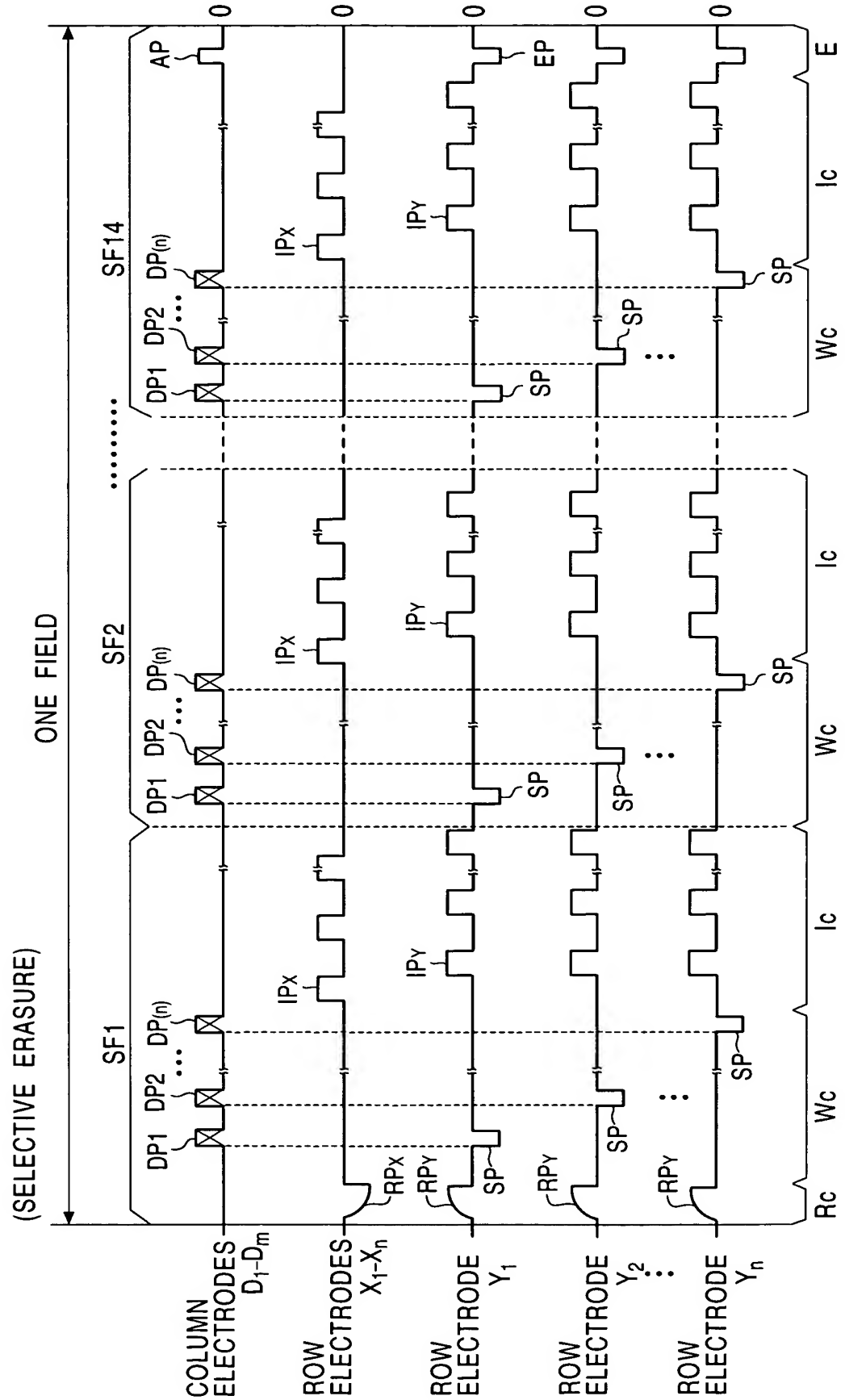




FIG. 12

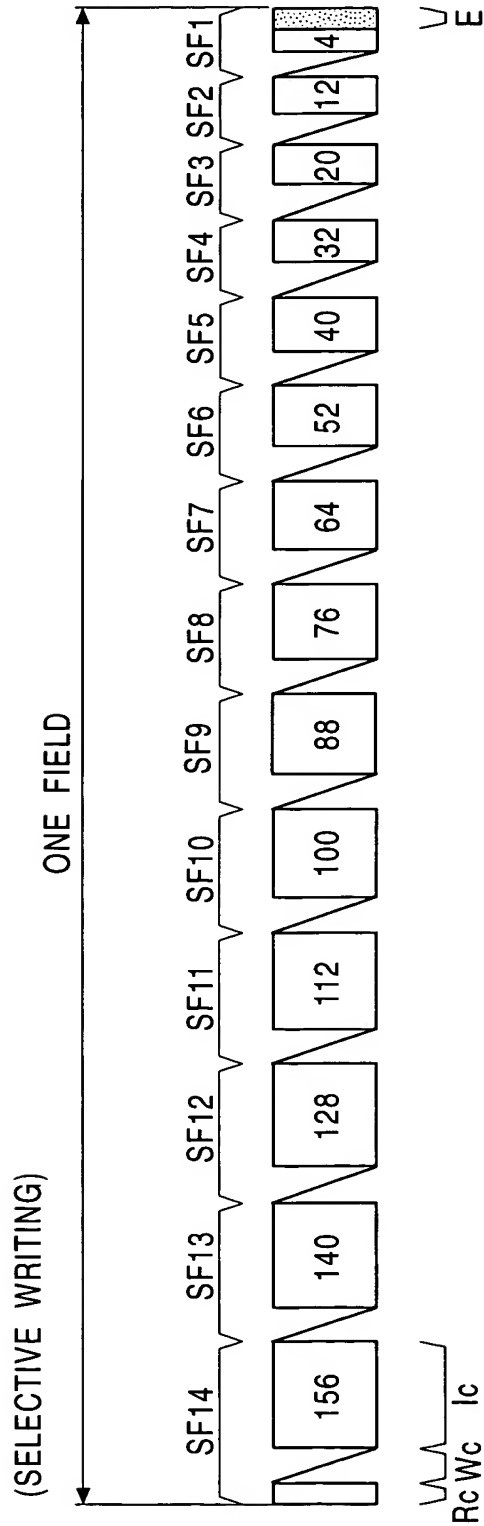




FIG. 13

(SELECTIVE WRITING)

GRADATION	CONVERSION TABLE OF SECOND DATA CONVERSION CIRCUIT 34																LIGHT-EMISSION DRIVING PATTERN FOR ONE FIELD	EMITTED LUMINANCE	
	PDs	GDa																	
		14	13	12	11	10	9	8	7	6	5	4	3	2	1				
1	0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0		
2	0001	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Δ	4		
3	0010	0	0	0	0	0	0	0	0	0	0	0	0	1	1	Δ Δ	16		
4	0011	0	0	0	0	0	0	0	0	0	0	0	1	1	1	Δ Δ Δ	36		
5	0100	0	0	0	0	0	0	0	0	0	0	1	1	1	1	Δ Δ Δ Δ	68		
6	0101	0	0	0	0	0	0	0	0	1	1	1	1	1	1	Δ Δ Δ Δ Δ	108		
7	0110	0	0	0	0	0	0	0	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ	160		
8	0111	0	0	0	0	0	0	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ	224		
9	1000	0	0	0	0	0	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ	300		
10	1001	0	0	0	0	1	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ Δ	388		
11	1010	0	0	0	1	1	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	488		
12	1011	0	0	1	1	1	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	600		
13	1100	0	0	1	1	1	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	728		
14	1101	0	1	1	1	1	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	868		
15	1110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ	1024		

WHITE TRIANGLE: SELECTIVE WRITING DISCHARGE +  
 SUSTAINED DISCHARGE EMISSION

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FIG. 14

(SELECTIVE WRITING)

GRADATION	CONVERSION TABLE OF SECOND DATA CONVERSION CIRCUIT 35														LIGHT-EMISSION DRIVING PATTERN FOR ONE FIELD																EMITTED LUMINANCE
	PDs	GDb													SF SF																

BLACK CIRCLE: SELECTIVE WRITING DISCHARGE +  
SUSTAINED DISCHARGE EMISSION  
WHITE CIRCLE: SUSTAINED DISCHARGE EMISSION

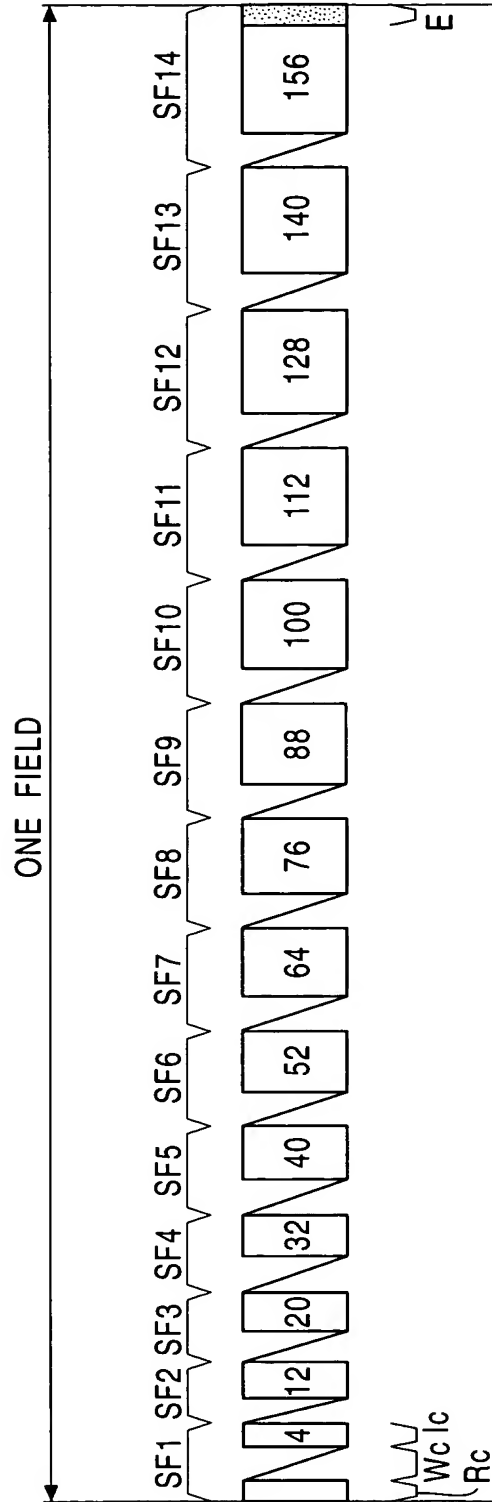


FIG. 15A

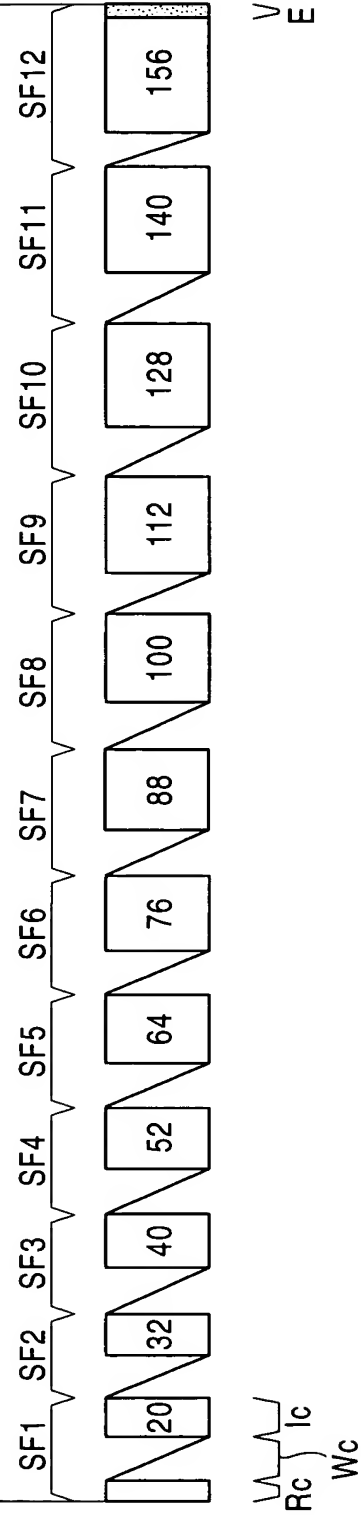


FIG. 15B



FIG. 16

